S2 Table. Loadings of behavioral variables on PC1 for the pre-breeding (A), and the breeding period (B).

A. pre-breeding period

B. breeding period

Variable	Loading	Variable	Loading
Mean distance	-0.74	Mean distance	-0.86
EP courtship rate*	-0.48	Female WP responsiveness [†]	-0.28
Female EP responsiveness [†]	-0.20	Female EP responsiveness [†]	-0.09
Female WP responsiveness [†]	-0.17	EP courtship rate*	0.04
Male aggression	-0.09	Female aggression	0.11
Female aggression	-0.03	Male aggression	0.15
Female allopreening	0.28	Proportion of flight back [§]	0.22
WP courtship rate*	0.39	Mate guarding	0.36
Male allopreening	0.41	Female allopreening	0.66
Mate guarding	0.48	Male allopreening	0.70
Synchrony [‡]	0.57	WP courtship rate*	0.74
Proportion of flight back [§]	0.61	_Synchrony [‡]	0.79

^{*}Courtship rates (within-pair (WP), and extra-pair (EP)) were calculated from both videotaped courtships and courtships observed directly, see S5 Text.

[†]BLUPs of female responsiveness in WP or EP courtships, obtained from linear mixed-effect models with the same structure as T1-15 and T1-16, see S5 Text.

[‡]Synchrony was z-transformed within year, see S5 Text.

[§]Pair tendency of reuniting, see *Methods*.